

3-TIER SYSTEM

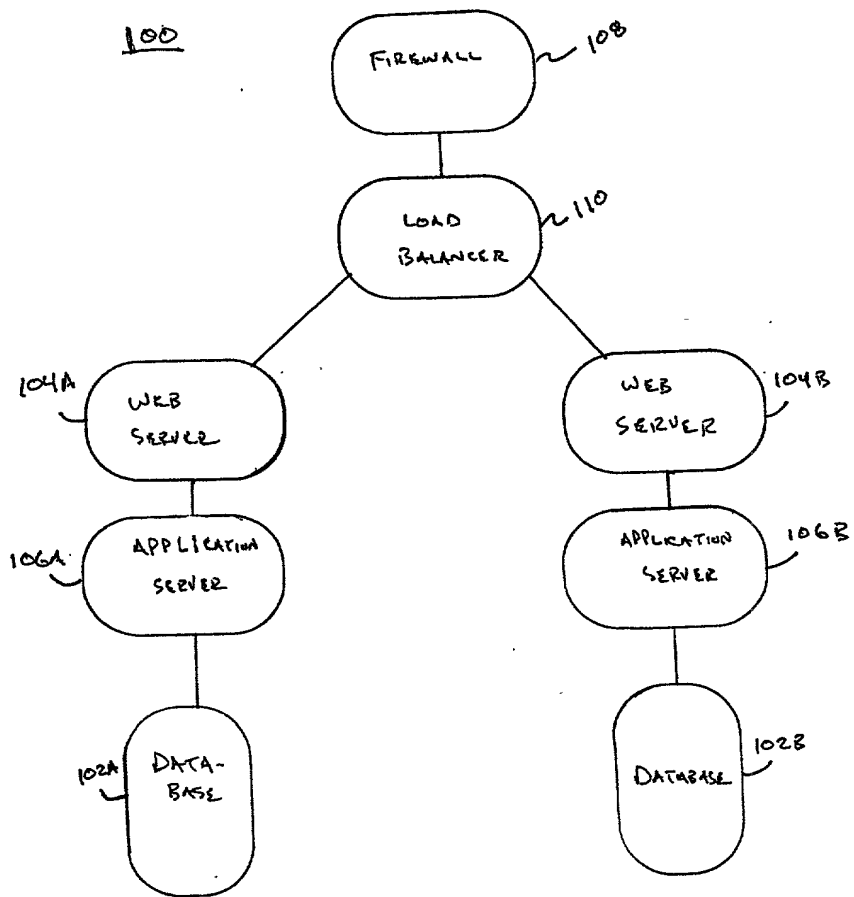


FIGURE 1

09766649.072604

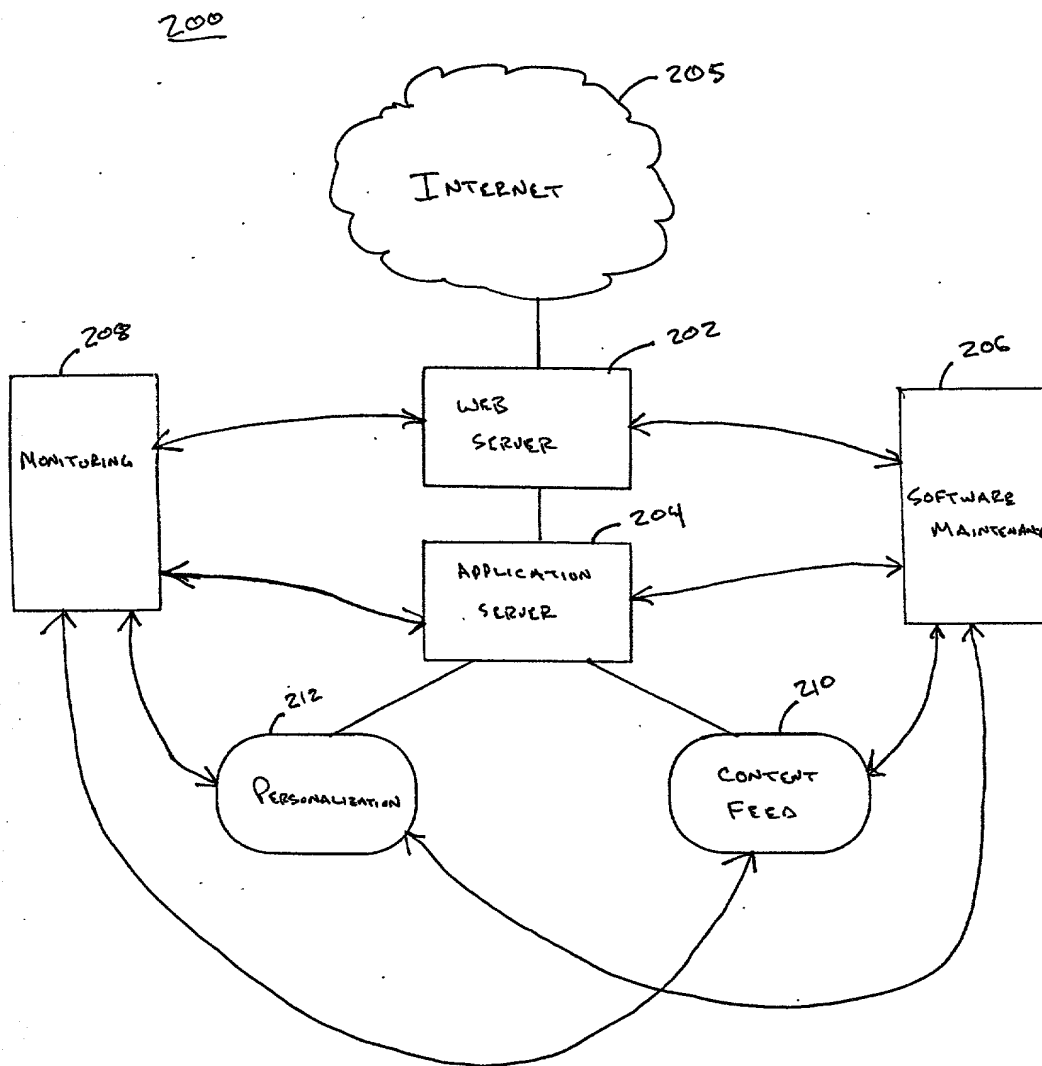


FIGURE 2

09765645.072001

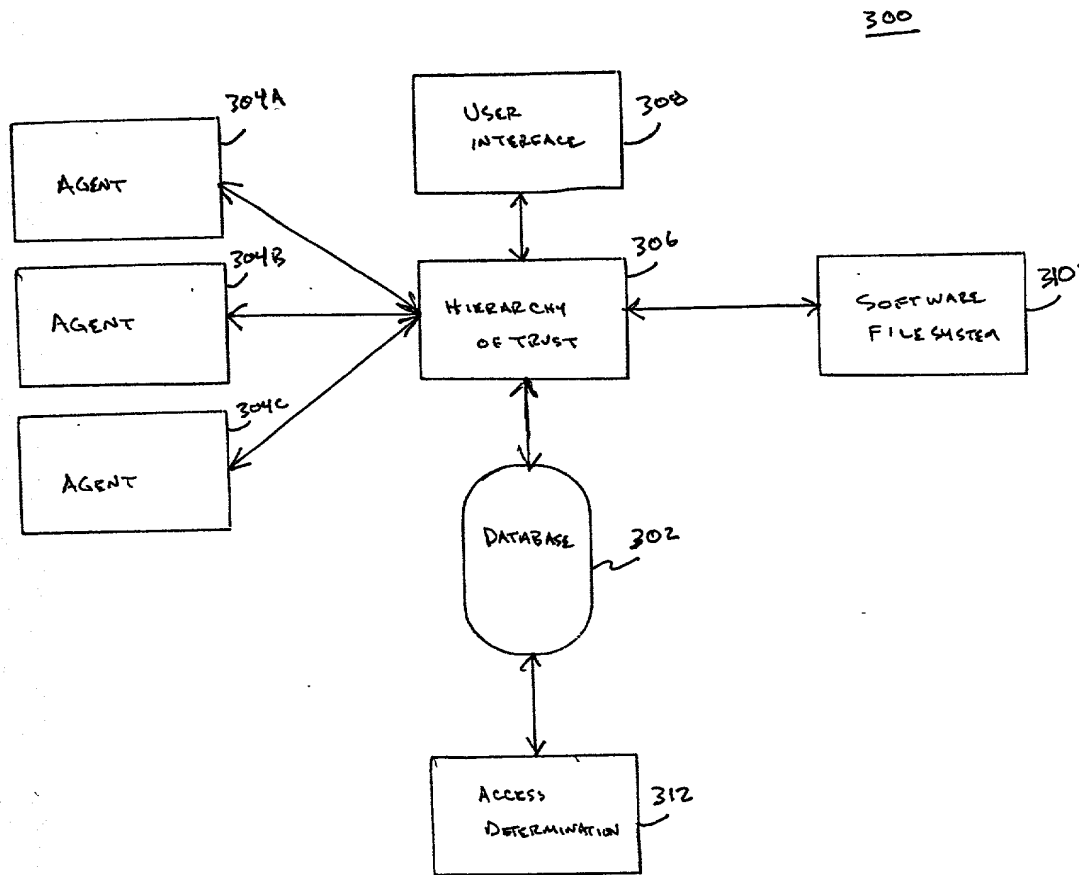


FIGURE 3

09/06/2004 15:00

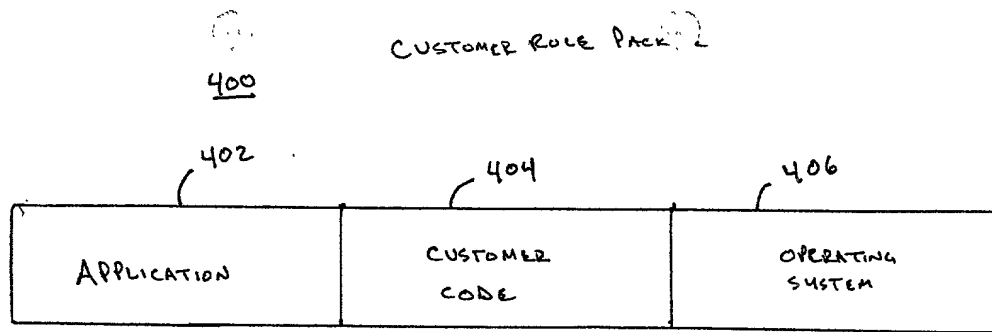


FIGURE 4

ROLE-CENTRIC MODEL

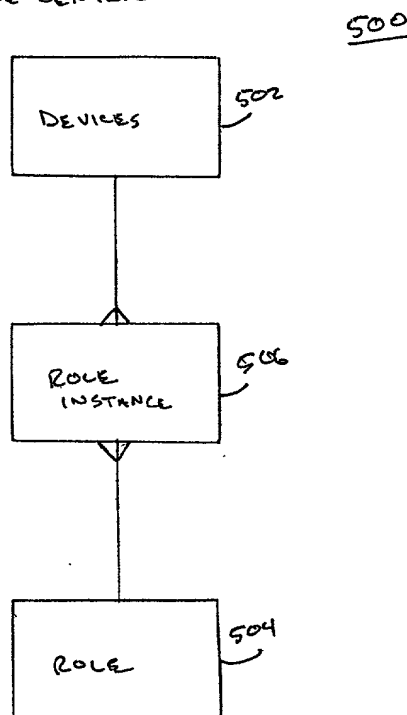


FIGURE 5

SERVICE-CENTRIC MODEL

600

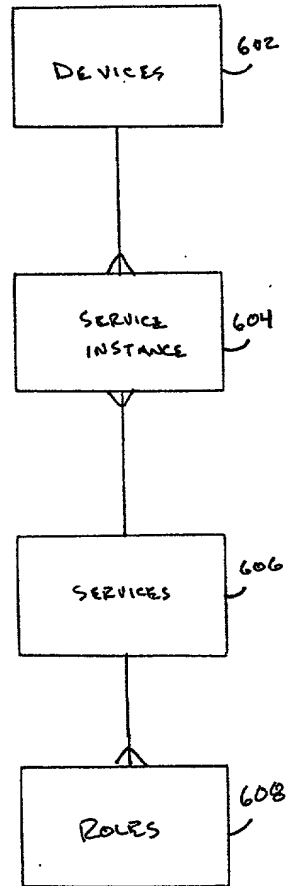


FIGURE 6

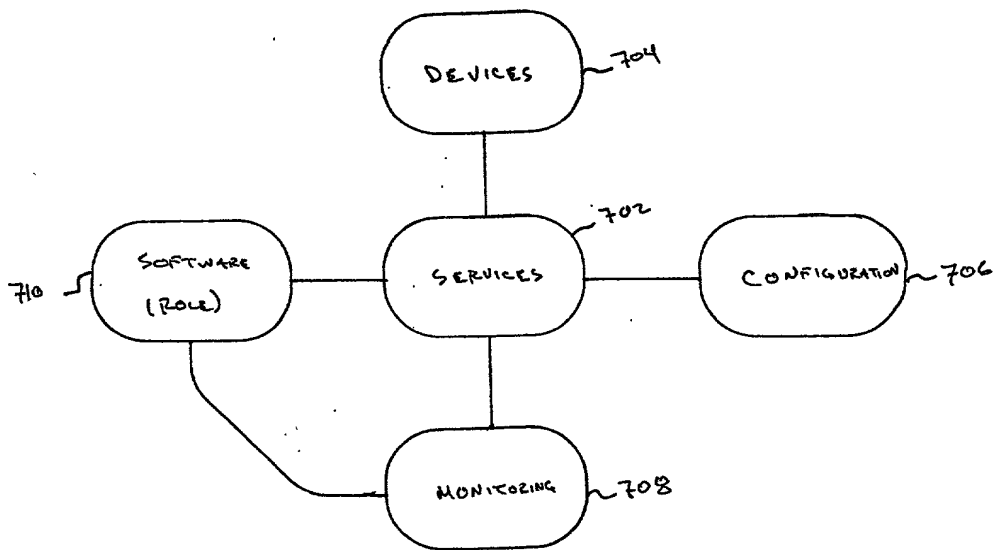


FIGURE 7

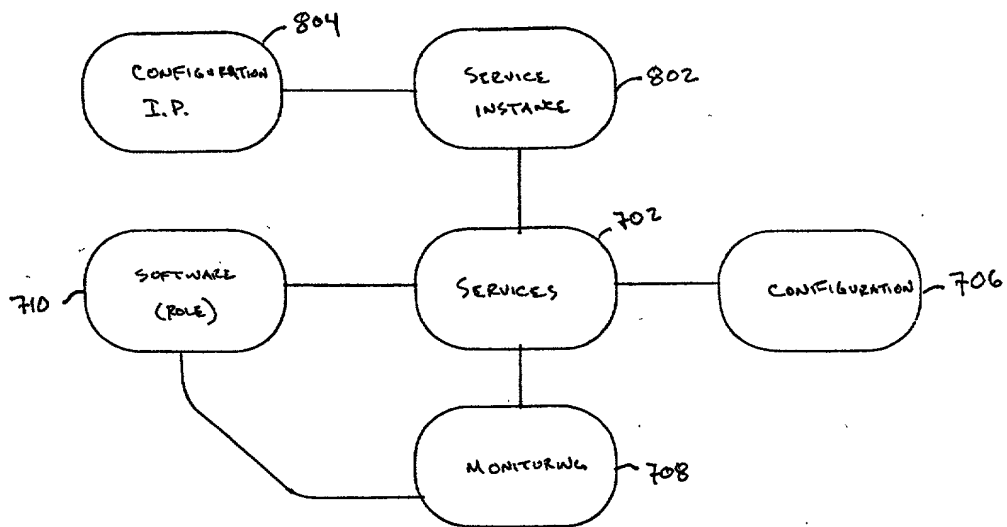


FIGURE 8

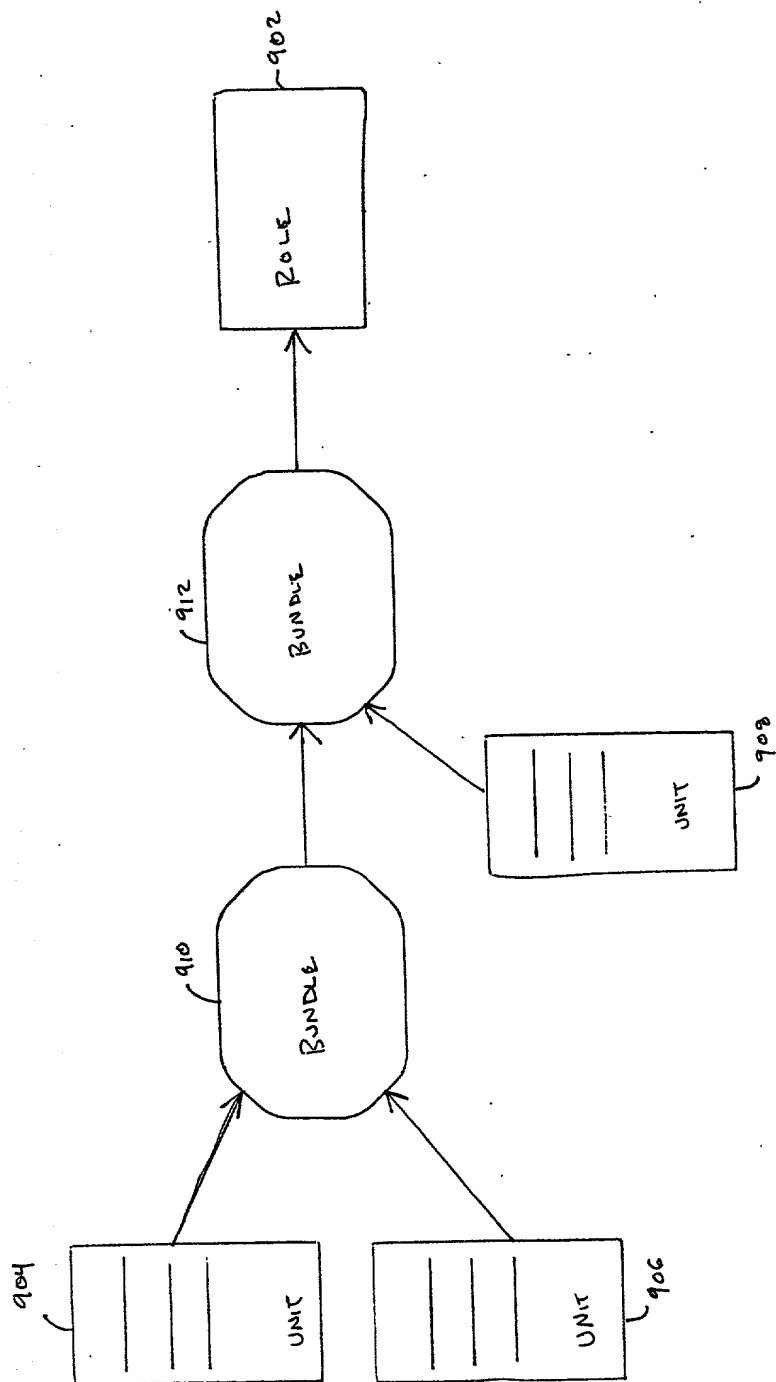


FIGURE 9

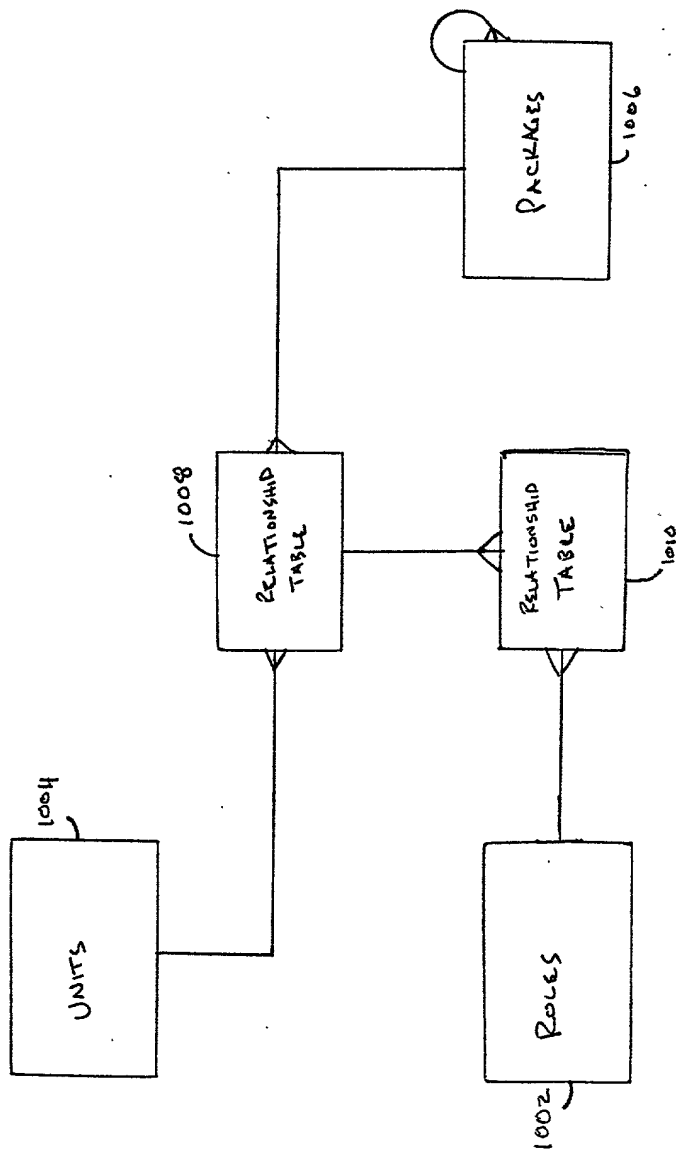


FIGURE 10



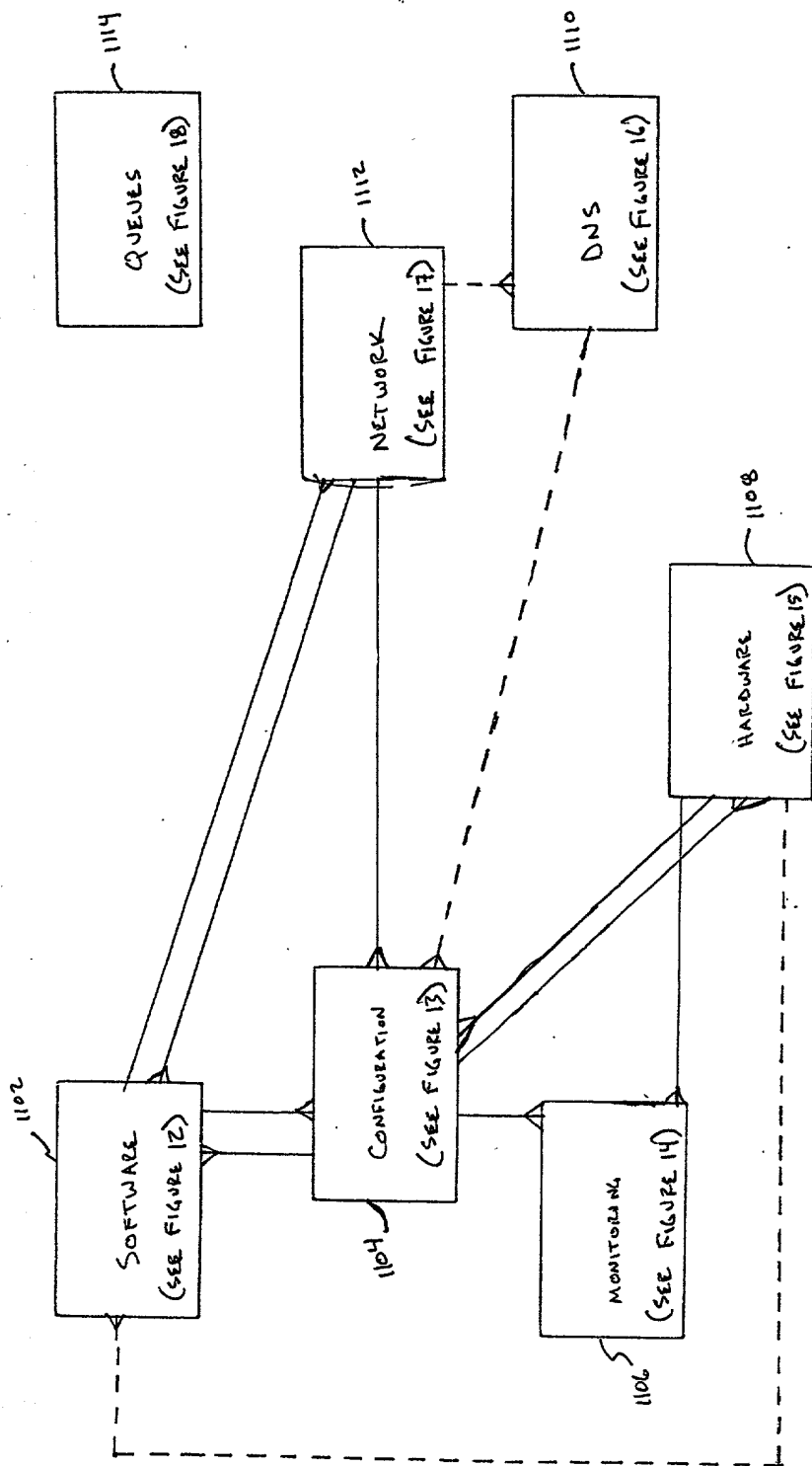


FIGURE 11

FIGURE 11

SOFTWARE 1102

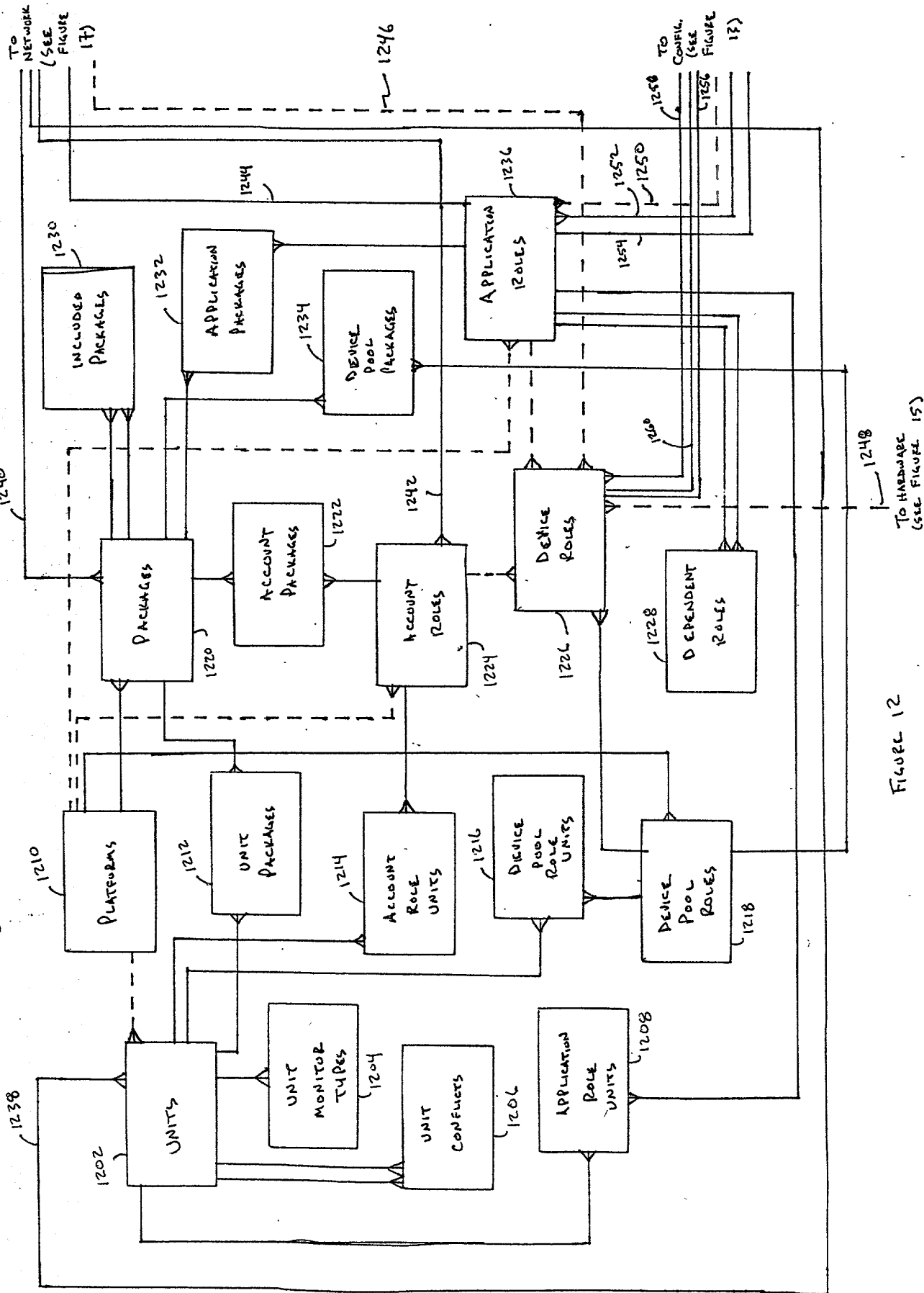


FIGURE 12



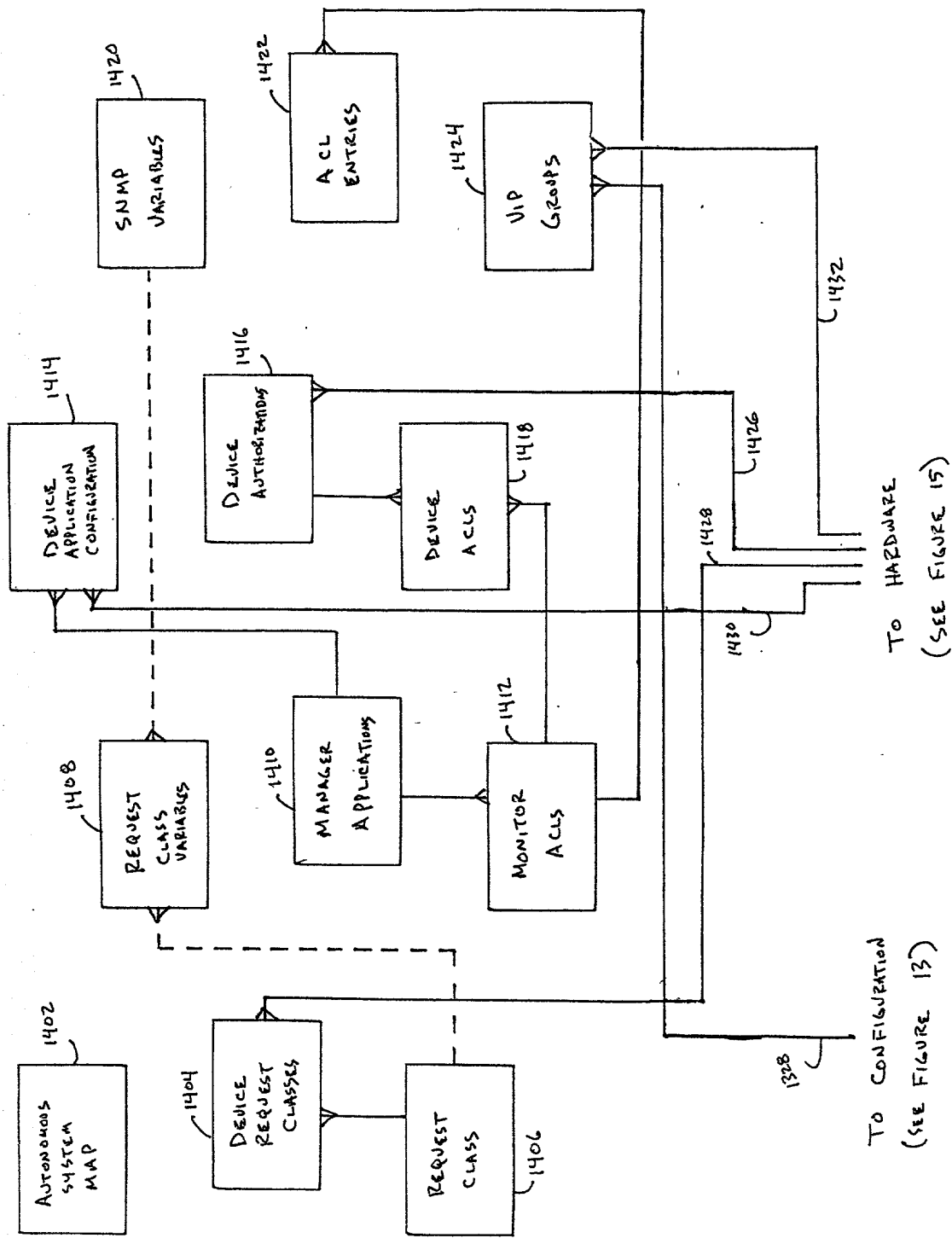


FIGURE 14

## HARDWARE 1108

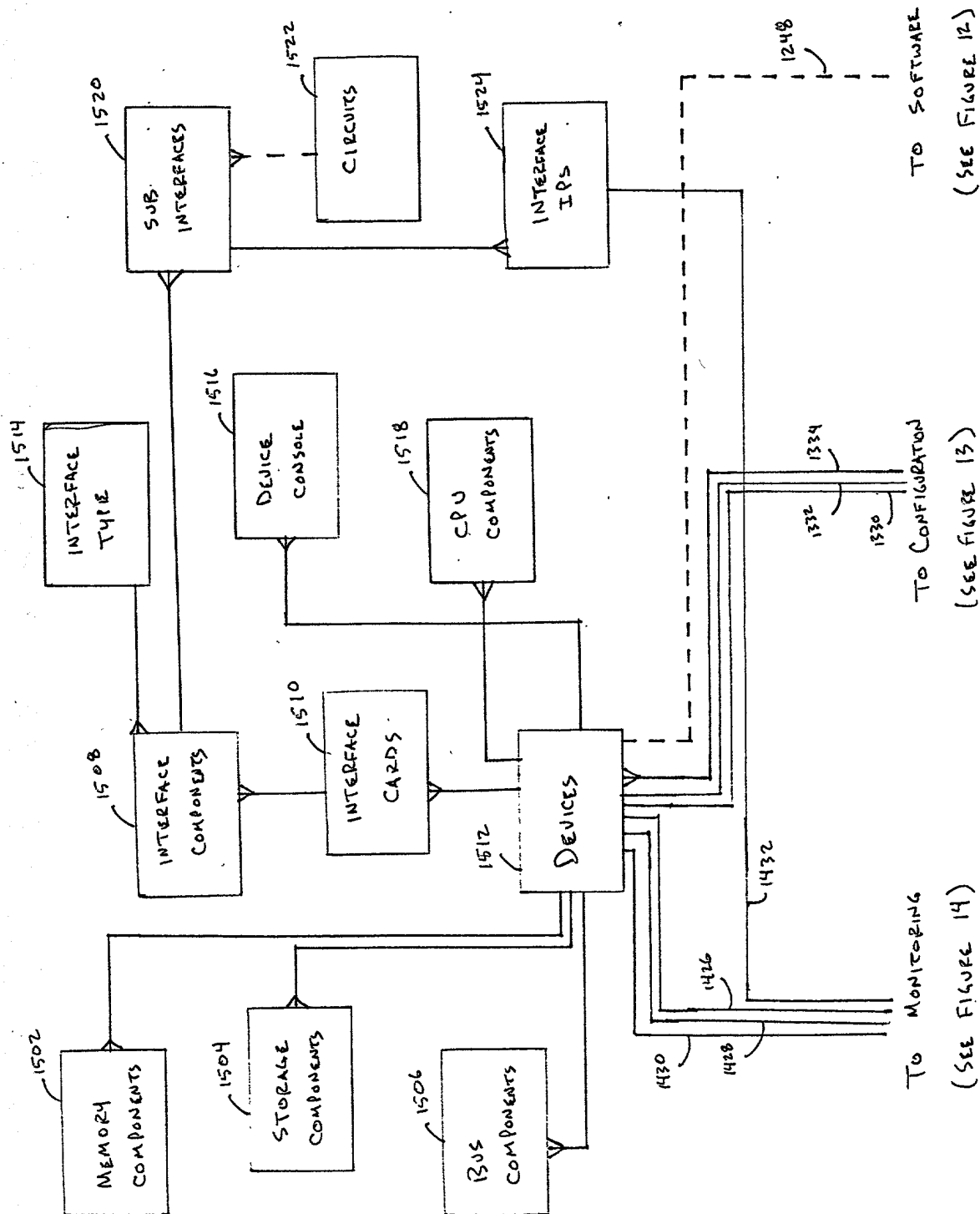


Figure 15

DNS 1110

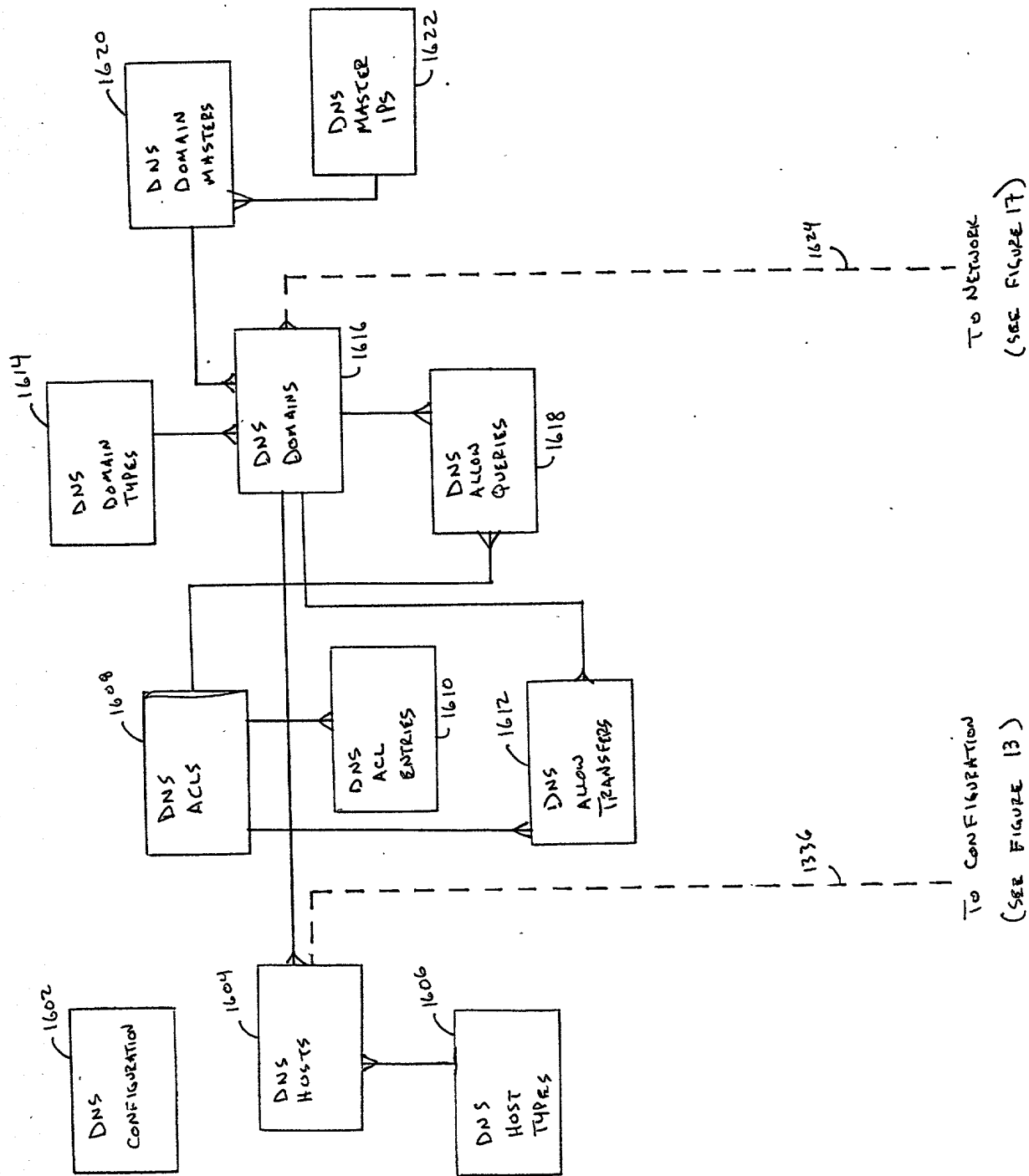


FIGURE 16

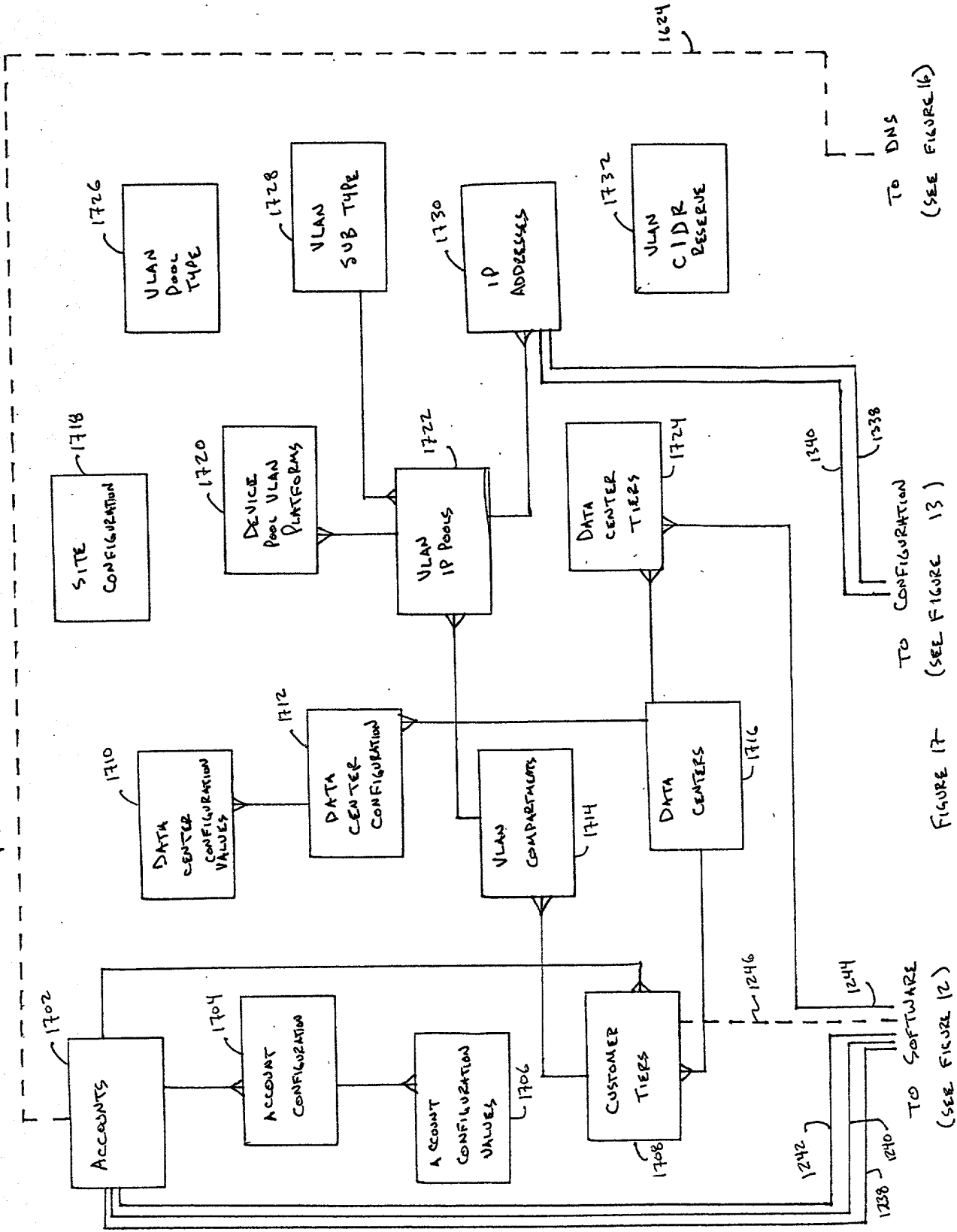


FIGURE 17 (SEE FIGURE 13)

TO SOFTWARE (SEE FIGURE 12)

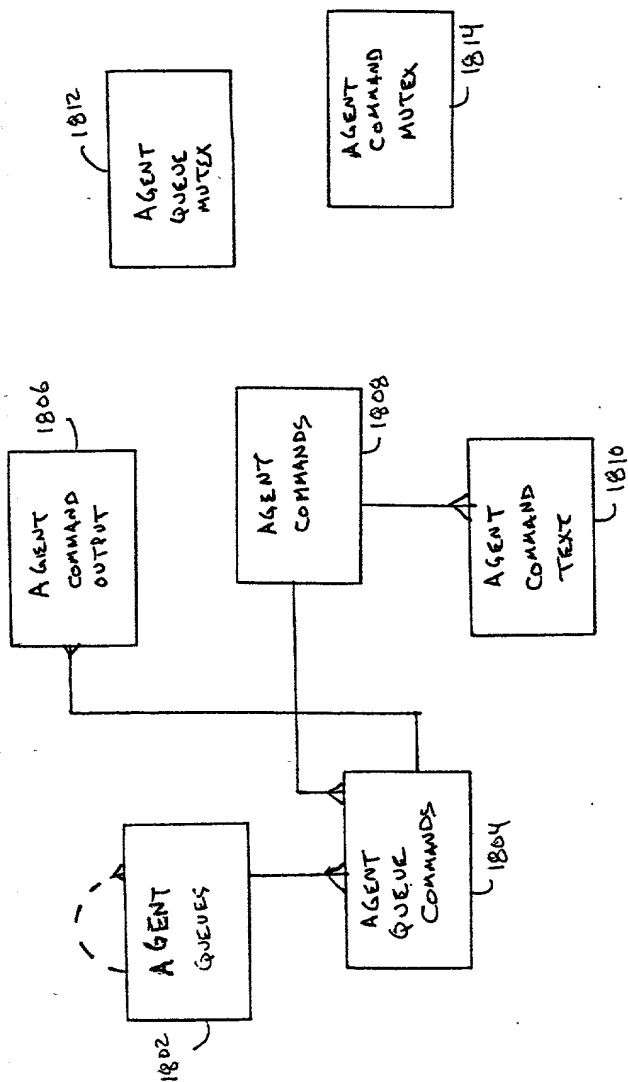


FIGURE 18